BIBLIOGRAPHY

Ackerman, Eugene, et al, Biological Effects of High-Intensity Sound Waves, WADC Technical Report 53-82, United States Air Force, Wright-Patterson Air Force Base, Ohio, January 1953.

Ackerman, Eugene and F. Oda, Acoustic Absorption Coefficients of Human Body Surfaces, Technical Documentary Report No. MRL-TDR-62-36, Aerospace Medical Research Laboratories, Wright-Patterson Air Force Base, Ohio, April 1962.

Air Products and Chemicals, Inc., Specialty Gases and Equipment (products catalog) 1971.

Allen, R.G., The Calculation of Retinal Burn and Flashblindness Safe Separation Distances, AF-SAM-TR-68-106, United States Air Force School of Aerospace Medicine, Aerospace Medical Division, Brooks Air Force Base, Texas, September 1968.

American Conference of Governmental Industrial Hygienists, Threshold Limit Values for 1967, 1967.

Applegate, Lt. Col. Rex, "New Riot Control Weapons," Ordnance, Vol. 49, No. 265, July-August 1964, pp. 67-70. (available from Zimmerman library)

BioTechnology, Inc., A Study of Flash Blindness Effects Using Naval Aviators, Aerospace Medical Research Department, Naval Air Development Center, Johnsville, Pennsylvania, January 1968. (Original returned)

BioTechnology, Inc., Visual Impairment from Exposure to High Intensity Light Sources, Office of Naval Research, Department of the Navy, Report No. 63-2, (Original returned)

Birenbaum, Leo, et al, "Effect of Microwaves on the Eye," IEEE Transactions on Bio-Medical Engineering, Vol. BME-16, No. 1, January 1969, pp. 7-13.

Boothby, Walter M., editor, Handbook of Respiratory Physiology, United States Air Force School of Aviation Medicine, Randolph Air Force Base, Texas September 1954.

Bristol Company, Ketaject: A New Approach in Anesthesiology, A portfolio of reprints on Ketamine HCL (CL-581).

Brown, John Lott, "Experimental Investigations of Flash Blindness." (Original returned)

Brown, John Lott, "Flash Blindness," American Journal of Ophthalmology, Vol. 60, September 1965, pp. 505-519.

Benedict, J.V., and C.J. Lin, An Analytical Investigation of the General Motors' Severity Index, Technology Inc., Life Sciences Division, San Antonio, Texas. (Original returned)

Brown, R.E., and L. Zernow, Light Source Evaluation, Preliminary Draft, Final Summary Report Part 2, Shock Hydrodynamics Inc., Sherman Oaks, California, May 1970. (Original returned)

Bultasova, et al, Psychopathology and Biochemistry of Experimental Psychoses Produced by Anticholinergic Hallucinogens, JPRS 23,296, Joint Publications Research Service, Washington, D.C., 19 February 1964.

Burger; Drugs Affecting the Peripheral Nervous System, Vol. 1.(available from Zimmerman library)

Burgess, John C. and V. Salmon, Development of a Modulated Air Stream Loudspeaker, Stanford Research Institute, Menlo Park, California, December 1955.

George F. Cake Corp., A Series of Reports on Chemical MACE Non-lethal Weapons, Baltimore, Maryland. (Original returned)

Carpenter, R.L., D.K. Biddle, and C.A. Van Ummersen, "Opacities in the Lens of the Eye Experimentally Induced by Exposure to Microwave Radiation," IRE Transactions on Medical Electronics, Vol. ME-7, July 1960, pp. 152-157.

Central Institute for the Deaf, Auditory and Non-Auditory Effects of High Intensity Noise, NAV-SAM-NM-13-01-99-1-7, U.S. Naval School of Aviation Medicine, Pensacola, Florida, 2 June 1958.

Chisum, Gloria T., "Intraocular Effects on Flashblindness: II. Parafoveal Recovery," Aerospace Medicine, Vol. 42, No. 1, January 1971, pp. 31-35.

Christianson, C., et al, Electromagnetic Radiation Hazards in the Navy, U.S. Naval Applied Science Laboratory, NASL-TM-5, Brooklyn, New York, 24 January 1964.

Christner, C.A., et al, State-of-the-Art Study on the Pulsed-Light Phenomenon, Remote Area Conflict Information Center, Batelle Memorial Institute, Columbus, Ohio, December 4, 1964.

Coates, Joseph F., Nonlethal Weapons for Use by U.S. Law Enforcement Officers, Study S-271, Institute for Defense Analyses, Science and Technology Division, November 1967. (Original returned)

"Coming: Fantastic Devices to End Riots," Nations Business, 1966.

Conley, Michael C. and J.L. Schrock, Preliminary Survey of Insurgency in Urban Areas, Counterinsurgency Information Analysis Center, Special Operations Research Office, The American University, Washington, D.C. 5 February 1965. (Original returned)

Crockett, Thomson, S., "Riot Control Agents," The Police Chief, Vol. 34, No. 2, February 1969, pp. 12-18. (Available from Zimmerman library)

Dahike, A.E., et al, A Study of Effects of Visual Flicker and Auditory Flutter on Human Performance, Technical Report AFATL-TR-67-12, Air Force Armament Laboratory, Eglin Air Force Base, Florida, February 1967.

Dalziel, Charles F., "Electric Shock Hazard," IEEE Spectrum, February 1972, pp. 41-50.

Dalziel, Charles F., and W.R. Lee, "Lethal Electric Currents," IEEE Spectrum, Vol. 6, No. 2, February 1969, pp. 44-45.

Defense Documentation Center, Sound Weapons: A Report Bibliography, Scientific and Technical Information, Cameron Station, Alexandria, Virginia. (Original returned)

Deichmann, William B., et al, "Acute Effects of Microwave Radiation on Experimental Animals (24,000 Megacycles)," Journal of Occupational Medicine, July 1959, pp. 369-381.

Deitz, Paul H., Twelve Eye Safety Nomographs, Ballistic Research Laboratories, Aberdeen Proving Grounds, Maryland, December 1968. (Original returned)

Deseret Test Center, Joint CB Technical Data Source Book, Vol. II, Riot Control and Incapacitating Agents, Part Two: Agent DM, Fort Douglas, Utah, May 1971.

Deseret Test Center, Joint CB Technical Data Source Book, Vol. II, Riot Control and Incapacitating Agents, Part Four: Agent CN, Fort Douglas, Utah, April 1971.

Donchin, Emanuel and D.B. Lindsley, "Retroactive Brightness Enhancement With Brief Paired Flashes of Light," Vision Res., Vol. 5, 1965, pp. 59-70.

Drabkina, Serafima, 'Electronics Marks the Spot," Sputnik, pp. 72-73.

Effect of Ultrasound on Nucleic Acids and on the Skull, USSR, JPRS 53177, Joint Publication Research Service, Washington, D.C., 20 May 1971.

Electronarcosis: A collection of articles. A bibliography of these articles is attached.

Electrophysiology of Conditioned Reflexes and Drug Action on the Brain and Modeling of Nervous System Functions, JPRS 30,007, Joint Publication Research Service, Washington, D.C., 11 May 1965.

Feldman, Victor F., M.D., and H.M. Burns, M.D., "The Effect of Glare on the Electroretinogram of Normal Human Observers," American Journal of Ophthalomology, Vol. 65, January 1968, pp. 91-97.

Ferris, Benjamin G., "Environmental Hazards," The New England Journal of Medicine, Vol. 275, No. 20, November 17, 1966, pp. 1100-1105.

Fletcher, John, Physiologic Mechanisms Producing Disorientation, AF-SAM-TR-68-132, United States Air Force, School of Aerospace Medicine, Aerospace Medical Division, Brooks Air Force Base, Texas, December 1968.

Frey, Allan H. "Behavioral Biophysics," Psychological Bulletin, Vol. 63, No. 5, May 1965, pp. 322-337.

Ganslen, R.V., et al, Effects of Some Tranquilizing, Analeptic and Vasodilating Drugs on Physical Work Capacity and Orthostatic Tolerance, FAA-CARI-63-34, Federal Aviation Agency, Oklahoma City, Oklahoma, 1963.

Gasaway, Donald C., and H.C. Sutherland, Application of Current Auditory Damage Risk Criteria to Aerospace Operations, AF-SAM-TR-70-36, United States Air Force, School of Aerospace Medicine, Brooks Air Force Base, Texas, September 1970.

Gaume, J.G., P. Bartek, and H.J. Rostami, "Experimental Results on Time of Useful Function (TUF) After Exposure to Mixtures of Serious Contaminants," Aerospace Medicine, Vol. 42, No. 9, September 1971, pp. 987.

Golden, Pamela M. and R. Clare, The Hazards to the Human Ear from Shock Waves Produced by High Energy Electrical Discharge, AWRE Report No. E-1/65, Atomic Energy Authority, United Kingdom, 1965.

Govons, S.R., and R.A. Merkel, "Instantaneous Postural Reaction of Cattle to Brain Concussion," Aerospace Medicine, Vol. 42, No. 4, April 1971, pp. 421-423.

Graduate Pain Research Foundation, Final Technical Report--Human Discomfort Threshold Study, Philadelphia, Pennsylvania, 1968.

Graystone, Peter, and P. Copp, Electrical Shock Hazards in the Hospital Environment, Bibliography, University of British Columbia, June 1972

Harris, Charles S., and R.W. Shoenberger, Effects of Frequency of Vibration on Human Performance, WADD-AMRL-TR-66-152, Aerospace Medical Research Laboratories, Wright-Patterson Air Force Base, Ohio, 1966.

Hemingway, Allan, Nervous Control of Shivering. IX. A Review, Technical Note AAL-TN-57-40, Alaskan Air Command, Arctic Aeromedical Laboratory, Ladd Air Force Base, July 1957.

Hersh, Seymour M., Chemical and Biological Warfare, The Bobbs-Merrill Co., New York, 1968. (Available from Zimmerman library)

Hill, Bernard, Law and Crowd Types, Kansas Highway Patrol, Wichita, Kansas.

Hirsch, Frederic G., M.D., An Unsolicited Proposal for Studying the Chronic Effects of Low Level Electromagnetic Radiation in the Microwave Spectrum, Lovelace Foundation for Medical Education and Research, Albuquerque, New Mexico.

"How Much Current Is Fatal?" Popular Electronics, Vol. 1, No. 1, January 1972, pp. 31-34.

"Human Violence Stopped by Dart-Shooting Tranquilizer Gun," Journal of the American Medical Association, Vol. 201, No. 9, 1967, pp. 34-35.

Idson, Bernard, "Biophysical Factors in Skin Penetration," Journal of the Society of Cosmetic Chemists," Vol. 22, September 17, 1971, pp. 615-631.

Instrument Society of America, Electrical Safety Practices, ISA Monograph No. 110, 1965.

International Occupational Safety and Health Information Center, Proceedings from the International Symposium on Electrical Accidents, Paris, 2-5 May 1962. (Original returned)

Jacob, Stanley, W., M.D., "Dimethyl Sulfoxide (DMSO) -- Current Concepts in Toxicology, Pharmacology, and Clinical Usefulness in Surgery," The American Surgeon, Vol. 35, No. 8, pp. 564-573, August 1969.

Jacob, Stanley W., D.C. Wood, and J.H. Brown, "Therapeutic Potential of Dimethyl Sulfoxide (DMSO)," Aerospace Medicine, January 1969, pp. 75-84.

Jones, R. Clark, " A Fifty Horsepower Siren," The Journal of the Acoustical Society of America, Vol. 18, No. 2, October 1946, pp. 371-387. (Original returned)

Junge, Klaus, Invisible Light--Night Vision, Department of the Navy, Office of Naval Intelligence, Translations Section, ONI-Trans-1047, 1961.

Kas'yan, I.I., et al, Physiological, Acoustic, and Cardiac Studies Based on Cosmonaut Experience, USSR, JPRS 35278, Joint Publications Research Service, Washington, D.C., May 1966.

Keesey, J.C., et al, Minimum Thresholds for Physiological Responses to Flow of Alternating Electric Current Through the Human Body at Power-Transmission Frequencies, Naval Medical Research Institute, Bethesda, Maryland, September 1969.

Kholodov, Yu. A., The Influence of Electromagnetic and Magnetic Fields on the Central Nervous System, USSR, JPRS-37102, Joint Publications Research Service, Washington, D.C., 18 August 1966.

Kinney, J.A.S., and M.M. Connors, Recovery of Foveal Acuity Following Exposure to Various Intensities and Durations of Light, NMRL-464, Naval Medical Research Laboratories, Groton, Connecticut, September 1965.

Knudsen, Vern O., "The Propagation of Sound in the Atmosphere -- Attenuation and Fluctuations," Acoustical Society of America, Vol. 18, No. 1, July 1946, pp. 90-95.

Krape, Richard P. Applications Study of Electroadhesive Devices, NASA-CR-1211, National Aeronautics and Space Administration, Washington, D.C., October 1968.

Krippner, Stanley and R. Davidson, Parapsychology in the U.S.S.R., March 1972.

Leeming, Michael N., "Low Voltage, Direct Current Plethysmograph Burns, Medical Research Engineering, Vol. 10, No. 5, October-November 1971, pp. 19-21.

Leisure Systems Corporation, Proposal for the Development, Fabrication, and Delivery of Flash Blinding Cartridges and Field Support for Tests, LSC-SPD-0010, Chatsworth, California, May 1969. (Original returned)

Lewis, Mark F., Two Flash Thresholds as a Function of Flash Luminance and Area, FAA-AM-68-20, Federal Aviation Administration, Office of Aviation Medicine, September 1968.

Lewis, Mark F. and H.W. Mertens, Reaction Time as a Function of Flash Luminance and Duration, FAA-AM-67-24, Federal Aviation Administration, Office of Aviation Medicine, November 1967.

Lincoln, R.S., S. Seidenstein, and C.V. Juliano, Discrimination of Increases in the Brightness of a Flashing Beacon, NASA-CR-1220, National Aeronautics and Space Administration, Washington, D.C., October 1968.

Lippold, Olof, "Physiological Tremor," Scientific American, Vol. 224, No. 3, March 1971, pp. 65-73.

Lui, Y. King, Intracranial Pressure and Pressure Gradient in Head Impact, 8th ICMBE-Palmer House, Chicago, Illinois, July 20-25, 1969.

Lui, Y. King, and Han-Sun Chan, Propagation of Pressure Waves in Head Impact, Biomechanics, 23rd ACEMB, Washington Hilton Hotel, Washington, D.C., November 15-19, 1970.

MacGregor, R. J., A Direct Mechanism for the Influence of Microwave Radiation on Neuroelectric Potentials, The Rand Corporation, Santa Monica, California, June 1970.

Maxwell, R. D. H., "Electrical Factors in Electroconvulsive Therapy," ACTA Psychiatrica Scandinavica, Vol. 44, 1968, pp. 436-448.

McBain, J. B., L. J. Hoffman, and J. J. Menn, Metabolism of O-Ethyl S-phenyl-ethylphosphonodithioate (Dyfonate) in Potato Plants and Rats, Stauffer Chemical Co., Agricultural Research Center, Mountain View, California, November 14, 1969.

McBain, J. B., and J. J. Menn, Uptake and Distribution of Dyfonate^{TM} ^{35}-S (O-Ethyl-S-Phenyl-Ethylphosphonodithioate) in Seedling Corn Plants, Stauffer Chemical Co., Agricultural Research Center, Mountain View, California.

Medical Manual of Chemical Warfare, Fourth Edition, Her Majesty's Stationery Office, London, 1955. (Available from Zimmerman library)

Meduna, L. J., M. D., editor, Carbon Dioxide Therapy, Charles C. Thomas, Springfield, Illinois, 1958.

Miller, Norma D., "Visual Recovery From Brief Exposures to High Luminance," Journal of the Optical Society of America, Vol. 55, No. 12, December 1965, pp. 1661-1669.

Missouri Research Laboratories, Report of Investigation into Methods of Mob Dispersal and Evasion, St Louis, Missouri, February 15, 1967. (Original returned)

Mohr, Capt. George C., et al, "Effects of Low Frequency and Infrasonic Noise on Man," Aerospace Medicine, Vol. 36, No. 9, September 1965, pp. 817-824.

Morris, Major Brooks, et al, Operational Test and Evaluation of the University Sound SA-1800C Airborne Sound System, TAC-TR-66-186, United States Air Force, Eglin Air Force Base, Florida, March 1968.

Moss, Thelma and K. Johnson, Radiation Field Photography.

Murray, James H., States of Diminished Consciousness as a Cause of Accidents, Seminar in Aviation Health and Safety, Harvard School of Public Health, Boston, Massachusetts, May 1958.

NCR proposal, Technical Summary of Approach for Providing Non-Lethal Personnel Incapacitation. (Original returned)

Neuroelectric Conference, Abstracts from the 1961 Neuroelectric Conference, Stanford Research Institute, Menlo Park, California, Feb 26-28, 1969.

North Atlantic Treaty Organization, Loss of Vision from High Intensity Light, AGARD-CP-11, NATO Advisory Group for Aerospace Research and Development, Paris, France, 1966.

Nyborg, W. L., Controlled Sonic Irradiation of Living Organisms, WADC Technical Report 53-128, March 1954.

Olson, Kirtland H., "Power Supplies: Shock Hazards," Electromechanical Design, Vol. 14, No. 9, September 1970, pp. 36-43.

Orlansky, Jesse, The Use of Flashing Light to Perturb Human Behavior, Institute for Defense Analyses, Research Paper P-172, March 1965

Parker, James F., An Analysis of the Safety Characteristics of the Navy Flash Blindness Indoctrination Trainer Device 18F22, BioTechnology, Inc., Arlington, Virginia, March 1968.

Pazderova, Jana, Effects of Electromagnetic Radiation of the Order of Centimeter and Meter Waves on Human's Health, Appendix I, Prague, Czechoslovakia.

Personnel Incapacitation by Visual Overstimulation.

Photiades, Demitri, and S.C. Ayivorh, "Long Term Charging Up of Humans in an Electrostatic Field," 8th ICMBE, Palmer House, Chicago, Illinois, July 20-25, 1969.

Pitts, Donald G., et al. The Effects of Ultraviolet Radiation on the Eye, AF-SAM-TR-69-10, United States Air Force School of Aerospace Medicine, Brooks Air Force Base, Texas, February 1969.

Plutchik, Robert, Auditory Pain Thresholds for Intermittent, "Beat"; and Steady Tones, HOF-01-58-12, Hofstra College, Hempstead, New York, December 1958.

Plutchik, Robert, The Effect of High Intensity Intermittent Stimuli on Human Behavior and Physiology, Office of Naval Research, Washington, D.C., 1967.

RAND Corporation, "Controlling Group Behavior with Drugs," RAND-P-3600/23 Soviet Cybernetics: Recent News Items No. 23, pp. 89-90.

Roth, E.M., editor, Compendium of Human Responses to Aerospace Environment, Vol. I and II, NASA-CR-1205 (I) and (II), National Aeronautics and Space Administration, Washington, D.C., November 1968.

Shock Hydrodynamics, A Proposal for the Study of Incapacitation by Flash Blinding, Sherman Oaks, California, March 1969.

Shock Hydrodynamics, A Proposal for the Study of Intense Flash Incapacitating Systems, Sherman Oaks, California, October 1970. (Original returned)

Shock Hydrodynamics, Proposal for a Quantitative Study of Non-lethal, Non-penetrating Incapacitating Projectiles, Sherman Oaks, California, September 1970. (Original returned)

Shock Hydrodynamics, Inc., A Proposal to Study the Use of Infra Sound as a Weapon, Sherman Oaks, California, March 1969.

Shor, Ronald E., "A Note on Shock Tolerances of Real and Simulating Hypnotic Subjects," The International Journal of Clinical and Experimental Hypnosis, Vol. 12, No. 4, 1964, pp. 258-262.

Siegel, Art, Introduction to Section V, "Effects of Flash Blindness and Retinal Burns on Pilot Performance," Applied Psychology Services, Inc., Wayne, Pennsylvania, April 1970. (Original returned)

Special Operations Research Office, A Selected Bibliography of Crowd and Riot Behavior in Civil Disturbances, The American University, Washington, D.C.

Stauffer Chemical Company, Dyfonate Soil Insecticide, Technical Bulletin, Agricultural Research Center, Mountain View, California.

Stern, J.A., and K. Gross, The Effect of Stressors on EEG Activation with Photic Simulation, Washington University School of Medicine, St Louis, Missouri, 9 June 1964.

Stern, Robert M., and L. Gaupp, Physiological and Subjective Adaptation to Shock: A Discrepancy, INDU-15-TR-12, Indiana University, May 1966.

Stevens, Joseph C. and L.E. Marks, "Cross-Modality Matching of Brightness and Loudness," Proceedings of the National Academy of Science, Vol. 54, 1965, pp. 407-411.

Stong, C.L., "The Amateur Scientist, Generating Visual Illusions with Two Kinds of Apparatus," Scientific American, Vol. 224, No. 2, March 1971, pp. 110-114.

Swearingen, John H., Tolerances of the Human Brain to Concussion, FAA-AM-71-13, Federal Aviation Administration, Office of Aviation Medicine, Washington, D.C., March 1971.

Thursby, William R., Evaluation of Photochromic Goggle System for Nuclear Flash Protection, AF-SAM-TR-71-20, USAF School of Aerospace Medicine, Brooks Air Force Base, Texas, June 1971.

Tobias, Jerry V., A Table of Intensity Increments, FAA-AM-66-4, Federal Aviation Administration, Office of Aviation Medicine, January 1966.

Tri-tronics Laboratory, Inc., information on Electrosone 50, Euless, Texas.

TSER Systems, Inc., Taser Non-Lethal Weapon, Medical Bibliography and Summary, TSER Systems, Inc., Palos Verdes, California.

TSER Systems, Inc., Taser Human Volunteer Test, Official Conclusion of Independent Observers, Corona Del Mar, California, 1971.

Turner, Paul, J.M. Sneddon, and J.V. Smart, "Fall in Critical Flicker Frequency Associated with Adaptation to Intermittent Light," Nature, Vol. 214, May 27, 1967, pp. 947.

Tursky, Bernard, P.D. Watson, and D.N. O'Connell, An Evaluation of Tetany Produced by Electric Shock, July 1969.

Ulett, George A., "Flicker Sickness," A.M.A. Archives of Ophthalmology, Vol. 50, July-December 1953, pp. 685-687.

Underwriters' Laboratories, Inc., Electric Shock as it Pertains to Electric Fence, Bulletin of Research No. 14, December 1939.

Unidynamics/Phoenix, Investigation of Non-Lethal Personnel Incapacitation Systems, 27 April 1970. (Original Returned)

Vavala, Domenic A., Soviet Research on the Pathophysiology of Ultrahigh Frequency Electromagnetic Fields, AMD-CR-01-03-68, Aerospace Medical Division, Brooks Air Force Base, Texas, 15 May 1968.

Vogel, H.H., The Applicability of Acoustic Energy as a Battlefield Weapon, AMF-551-64-9, American Machine and Foundry Co., Alexandria, Virginia, September 1964.

Vogralik, Vadim, "Pinpricks for Health? Practice Outstrips Theory," Sputnik, pp. 65-71.

Vos, J.J., Some Consideration on Eye Hazards with Lasers, National Defense Research Council, TDCK 46027, T.N.O. Medical Biological Laboratory, Rijaswijk, Netherlands, 1966.

Vos, J.J., The Protection of Pilots Against Nuclear Flash-Blindness, National Defense Research Council, TDCK 41026 (Suppl.) T.N.O. Medical Biological Laboratory, Rijaswijk, Netherlands, 1967.

Waddell, John H., The Noble Gas Bomb, Douglas Aircraft Co., November 4, 1966. (Original returned)

Waddell, John, and R.S. Pickford, High Intensity Illuminant for Night Reconnaissance, Douglas Missile and Space System Division. (Original returned)

Waddell, John H. and R.S. Pickford, The Rare Gas Bomb for Night Aerial Reconnaissance, Abstract, A5-830-RSP-BJ00-158, Douglas Missile and Space Systems Division, Newport Beach, California, 20 September 1966. (Original Returned)

Walaszek, E.J., and L.G. Abood, "Effect of Tranquilizing Drugs on Fighting Response of Siamese Fighting Fish," Science, Vol. 124, September 1956, pp. 440-441.

Walcott, Charles, Studies on the Sensory Bases of Behavior, Office of Naval Research, Biology Branch, Washington, D.C., 1965.

Ward, Brian, W.H. Bowie and W.H. Cushman, "Flashblindness Recovery With and Without Protection in Simulated Flight Conditions," Aerospace Medicine, Vol. 42, No. 2, February 1971, pp. 149-152.

Weitz, Joseph, An Exploratory Study of Psychological Weapons, Technical Report: AFATL-TR-67-1, Air Force Armament Laboratory, Eglin Air Force Base, Florida, January 1967.

Wells, Wesley Raymond, "Experiments in the Hypnotic Production of Crime," The Journal of Psychology, Vol. 11, 1941, pp. 63-102.

Wiles, Joseph S. and J.K. Narcisse, Jr., The Acute Toxicity of Dimethylamides in Several Animal Species, Department of the Army, Edgewood Arsenal, Maryland, June 1971. (Enclosed herewith)

Witten, B., et al, Malodorous Substances as Riot Control and Troop Training Agents, EATR 4370, Department of the Army, Edgewood Arsenal, Maryland, March 1970. (Original returned)

Wolf, Ernst, et al, "Critical Flicker Frequencies in Flicker Perimetry, Standards and Confidence Limits," Arch. Ophthal., Vol. 80, September 1968, pp. 347-351.

Wolff, Richard C., and Daniel Sears, Electrosleep in the USSR, AMD-CR-01-01-68, Aerospace Medical Division, Brooks Air Force Base, Texas, 12 February 1968.

Woolsey, James P., "Prevention of Hijacking Switches from Passive to Active Measures," Aviation Week and Space Technology, Vol. 93, No. 12, September 21, 1970, pp. 29-30.

World Health Organization, Health Aspects of Chemical and Biological Weapons, Geneva, 1970.

Wulfsohn, Norman L., and A. Sances, editors, The Nervous System and Electric Currents, Volume 2, Proceedings of the Fourth Annual National Conference of the Neuroelectric Society, San Antonio, Texas, March 10-12, 1971, Plenum Press, New York, 1971.

liography of Articles on Electronarcosis

1. Buchsbaum, Walter H., "Electronic Anesthesia", Electronics World, September 1963, pp. 27-29. R-276

2. Dinnerstein, A. J. and M. Lowenthal, "Behavioral Consequence of Painful Electric Shock", Journal of Applied Physiology, Vol. 17, January-November, 1963, pp. 333-337. R-288

3. Hamburgh, Max and Walter B. Essman, "Induced Resistance to Electroshock and Audiogenic Seizures in Inbred Strains of Mice," P.S.E.B.M., 1963. Vol. 114, pp. 452-456. R-277

4. Anan'yev, M. G., et al, "Electric Sleep and Electric Narcosis", New Soviet Surgical Apparatus and Instruments and Their Application, 1961.

5. Anan'ev, M.G., et al "Electrosleep and Electronarcosis", New Surgical Equipment and Instruments and Experience in Their Use, Publication No. 1, Moscow, 1957.

6. Knutson, Robert C., "Experiments in Electronarcosis: A Preliminary Study", Anesthesiology, Vol. 15, 1954, pp. 551-558. R-290

7. Knutson, Robert C., Fae Y. Tichy, and John H. Reitman, "The Use of Electrical Current As An Anesthetic Agent", Anesthesiology, Vol. 17, 1956, pp. 815-825. R-287

8. Van Poznak, Alan, "Electrical Anesthesia", The Journal of The American Society of Anesthesiologists, Inc., January-February, 1963, Vol. 24, No. 1. R-279

9. Van Harreveld. A and W. B. Dandliker, "Blood Pressure Changes During Electronarcosis", Proceedings of the Society for Experimental Biology and Medicine, Vol. 60-61, October, 1945, April, 1946, pp. 391-394. R-283

10. Van Harreveld, A., M. S. Plesset and C. A. G. Wiersma, "The Relation Between the Physical Properties of Electric Currents and Their Electronarcotic Action", American Journal of Physiology, Vol. 137, August-November 1942, pp. 39-46.

11. Hardy, James D., Thelma Carter and M. Don Turner, "Catechol Amine Metabolism", Annals of Surgery, Vol. 150, July-December 1959, pp. 666-683. R-284

12. McNeil, Curtis D., M. D. Turner and James D. Hardy, "Electrical Anesthesia: Some Metabolic Observations and Comparisons", Surgical Forum (Proceedings of 44th Clinical Congress of American College of Surgeons, Chicago, Illinois, October 1958), Vol. IX, pp 394-397. R-292

13. Hardy, James D., M. Don Turner and C. Don McNeil, "Electrical Anesthesia", The Journal of Surgical Research, Vol. 1, No. 2, July, 1961, pp. 152-168. R-272

14. Hardy, James D., Leonard W. Fabian and M. Don Turner, "Electrical Anesthesia for Major Surgery", The Journal of the American Medical Association, Vol. 175, January-April, 1961, pp. 599-600. R-285

15. Ivy, A. C. and F. S. Barry, "Studies on the Electrical Stunning of Dogs", The American Journal of Physiology, Vol. 99, 1931-32, pp. 298-307. R-286

16. Van Harreveld, A, D. B. Tyler and C. A. G. Wiersma, "Brain Metabolism During Electronarcosis", The American Journal of Physiology, Vol. 139, June, 1943, No. 2, pp. 171-177.

17. Fabian, Leonard W., James Hardy, M. Don Turner and Floy J. Moore, "V. Survey of Clinical Progress with Illustrative Cases", Anesthesia and Analgesia Current Researches, Vol. 40, 1961, pp. 653-661. R-273

18. Anan'ev, M.G., et al., "Preliminary Data on Experimental Electronarcosis Induced with Apparatus of the Scientific Research Institute of Experimental Surgical Apparatus and Instruments", Anesthesiology, Vol. 21, 1960, pp.215-219. R-28

19. Bray, James W., "Electrical Anesthesia", Radio-Electronics, Vol. XXXV, No. 2, February, 1965, pp. 40-42.

20. Knutson, Robert C., Frederick H. Van Bergen, Fernando Torres, Norman R. Hagfors, and Earl E. Bakken, "A Method for Recording Electroencephalograms During Electrical Anesthesia", The Journal of the American Society of Anesthesiologist, Inc., Vol. 24, No. 5, 1963. R-271

21. Herin, Reginald A., "Induction Technique Changes and Electroencephalographic, Body Temperature, and Pupillary Light Reflex Studies in Dogs Anesthetized with Electric Current", American Journal of Veterinary Research, Vol. 25, No. 106, 1964.

22. Smith, Robert H., Craig Goodwin, Edwin Fowler, George W. Smith and Perry P. Volpitto, "Electronarcosis Produced by a Combination of Direct and Alternating Current. A Preliminary Study", Anesthesiology, Vol. 22, No. 2, 1961. R-28

23. Herin, Reginald A., "Electrical Anesthesia in the Dog", Journal of the Amer. Vet. Med. Assoc., Vol. 142, No. 8, April, 1963. R-28

24. Van Harreveld, A., "On the Mechanism and Localization of the Symptoms of Electroshock and Electronarcosis", Journ. Neuropath. & Exp. Neuro., Vol. 6, 1947.

25. Hober, Rudolf, "The Polarization of Model Membranes and of Natural Membranes by Electric Current", Physical Chemistry of Cells and Tissues, pp. 347-353. R-27

26. Ross, Paul S "Electronarcosis", Anesthesiology, Vol. 1943, pp. 630-635.

27. Silver, M. L. and R. W. Gerard, "Electrical Anesthesia with Constant Currents", The Amer. Journ. of Physiology, Vol. 133, 1941, pg. 447. R-294

28. Silver, M. L., "Electrical Anesthesia in Rats", Proceedings of the Society for Experimental Biology and Medicine, Vol. 4, 1939, pp. 650-651. R-291

29. Sances, Anthony, Jr., Sanford J. Larson and John E. Jacobs, "Recording of Brain Potentials During Electronarcosis", Proceedings of the 1963 - 16th Annual Conference on Engineering in Medicine and Biology, Baltimore, Maryland, 1963, Vol. 5.

30. Smith, George W., Robert Smith, Perry Volpitto, Craig Goodwin, and Zack Gramling., "Electroanalgesia (Electronarcosis) In The Experimental Animal", Surgical Forum, Vol. XII, 1961. pp 388-390. R-293

31. Smith, Robert H., and Stuart C. Cullen, "Electronarcosis by Combination of Direct and Alternating Current", The Journ. of the Amer. Soc. of Anesthesiologist, Inc., Vol. 23, No. 5, 1962. R-274

32. Tietz, Esther Bogen and A. Van Harreveld, "Effect of Electronarcosis on Level of 'Adrenalin-like' Compounds in Blood", Proceedings of the Society for Experimental Biology and Medicine, Vol. 70, 1949, pp. 496-498. R-289

33. Globus, Joseph H., A van Harrevelt and C.A.G. Wiersma, "The Influence of Electric Current Application on the Structure of the Brain of Dogs", Journ. Neuropath. & Exp. Neuro., Vol. 2, 1943.

34. Young, Torrence M., Allan Carson, Joseph Mezistrano, and Lucien E. Morris, "Effects of Anesthesia on Irradiated Animals", The Journ. of The Amer. Soc. of Anesthesiologist, Inc., Vol. 23, No. 1, 1962. R-275

35. Short, C. E., "The Applications of Electro-Anesthesia on Large Animals. A Report of 100 Administrations", Agricultural Research Laboratory of the University of Tennessee, 1964.

36. Short, Charles E., "Experiences in the Applications of Electro-anesthesia To Equidae", Agricultural Research Laboratory of the University of Tennessee.

37. Servit, Z., Ya. Burots, et al., "Problem of Electronarcosis and Electro-Sleep", (Unedited Rough Draft Translation), Foreign Technology Division, Air Force Systems Command, Wright-Patternson AFB, Ohio, 1964. AD-435500.

38. Hernandez-Peon, "Sleep Inducing Mechanisms", Air Force Office of Scientific Research, 1964. AD 436525.

Miscellaneous Documents

Correspondence relating to flash blindness field study at [redacted] (originals returned)

"Human Drug Response," Dr, [redacted] written by an MD for an intelligent layman 3 pp.

Kirilian Photos, from [redacted]

Excerpted pages from [redacted] (original returned)

Bibliography Search No. 893 re: Dark Adaptation, Night Vision